

NOTEBOOK NO. 368  
ISSUED TO Mei Fong King  
ON \_\_\_\_\_ date redacted  
DEPARTMENT Pharmacokinetics  
RETURNED \_\_\_\_\_ date redacted  
*microfilmed* date redacted *job # 2103*

—SCIENTIFIC NOTEBOOK CO.—  
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# Exp. 8 - Effect of enteric coated SP303 on fluid accumulation in CT-treated mice

From Page No. Notebook #333 page 188

Objective - 1) to determine the effect of enteric coated SP-303 on fluid accumulation in CT-treated mice.

2) to repeat the experiment 7 using larger scale of mice

Experimental: see Notebook #333 page 165 & Envir Project folder

Experiment date: date redacted

Results:

date redacted

date redacted

date redacted

EFFECT OF ENTERIC COATED SP-303 ON FLUID ACCUMULATION IN CT-TREATED MICE									
date redacted									
Mouse #	Sex	Weight (g)	Survival (%)	Fluid Accumulation (ml)	Fluid Accumulation (ml)	Fluid Accumulation (ml)	Fluid Accumulation (ml)	Fluid Accumulation (ml)	Fluid Accumulation (ml)
A1	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A2	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A3	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A4	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A5	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A6	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A7	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A8	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A9	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A10	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A11	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A12	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A13	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A14	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A15	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A16	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A17	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A18	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A19	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A20	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A21	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A22	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A23	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A24	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A25	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A26	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A27	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A28	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A29	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A30	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A31	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A32	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A33	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A34	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A35	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A36	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A37	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A38	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A39	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A40	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A41	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A42	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A43	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A44	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A45	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A46	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A47	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A48	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A49	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A50	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A51	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A52	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A53	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A54	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A55	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A56	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A57	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A58	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A59	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A60	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A61	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A62	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A63	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A64	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A65	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A66	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A67	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A68	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A69	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A70	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A71	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A72	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A73	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A74	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A75	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A76	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A77	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A78	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A79	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A80	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A81	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A82	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A83	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A84	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A85	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A86	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A87	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A88	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A89	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A90	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A91	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A92	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A93	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A94	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A95	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A96	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A97	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A98	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A99	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00
A100	♂	17.3	100	1.00	1.00	1.00	1.00	1.00	1.00

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Mei-Fang Kong

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Exp-8

Project No.

Book No. 368

55

From Page No. 54

PK Metabolism

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EFFECT OF ENTERIC COATED SP-303 ON INTESTINAL FLUID ACCUMULATION IN CT-TREATED MICE							
EXPERIMENT 1: date redacted							
Mouse #	Euthanize Mouse Wt. (g)	Drugs	Gut & Fluid (g)	Gut minus Fluid (g)	Length of Gut (mm)	Fluid (g)	Fluid/Gut (g)
A1	17.8	H2O	2.21	0.98	395	1.25	1.25
A2	18.6	H2O	2.34	0.87	385	1.47	1.69
A3	18.1	H2O	1.99	0.83	415	1.16	1.40
A4	17.1	H2O	1.85	0.96	420	0.89	0.86
A5	18.6	H2O	2.05	0.94	399	1.12	1.19
A6	10.7	H2O	2.85	0.82	415	1.26	1.53
A7	16.0	H2O	2.02	0.89	430	1.06	1.11
A8	15.6	H2O	1.93	0.82	380	1.01	1.24
MEAN	17.7		2.04	0.90	404	1.14	1.28
STD	0.8		0.18	0.07	18	0.19	0.26
SE	0.3		0.06	0.03	7	0.07	0.09
Mouse #	Mouse Wt. (g)	Drugs	Gut & Fluid (g)	Gut minus Fluid (g)	Length of Gut (mm)	Fluid (g)	Fluid/Gut (g)
B1	17.9	Coated SP-303	1.25	0.95	420	0.32	0.34
B2	16.5	Coated SP-303	1.60	0.93	400	0.66	0.73
B3	17.3	Coated SP-303	1.64	0.65	400	0.99	1.52
B4	16.8	Coated SP-303	1.91	0.55	370	0.27	0.28
B5	18.9	Coated SP-303	1.37	1.11	485	0.26	0.24
B6	16.2	Coated SP-303	1.80	0.88	410	1.00	1.16
B7	15.1	Coated SP-303	1.47	1.66	435	0.41	0.39
B8	15.4	Coated SP-303	1.02	0.79	385	0.83	1.04
MEAN	17.4		1.51	0.91	404	0.59	0.71
STD	1.0		0.21	0.15	27	0.32	0.40
SE	0.3		0.06	0.05	9	0.11	0.17
Mouse #	Mouse Wt. (g)	Drugs	Gut & Fluid (g)	Gut minus Fluid (g)	Length of Gut (mm)	Fluid (g)	Fluid/Gut (g)
C1	17.5	Eudragit/Sugar/Gum	2.04	0.96	415	1.07	1.11
C2	17.4	Eudragit/Sugar/Gum	1.65	0.63	405	1.01	1.62
C3	16.9	Eudragit/Sugar/Gum	1.52	0.82	400	0.19	0.24
C4	17.3	Eudragit/Sugar/Gum	1.47	0.89	330	1.00	1.14
C5	16.7	Eudragit/Sugar/Gum	1.70	0.91	405	0.85	0.92
C6	19.7	Eudragit/Sugar/Gum	2.57	0.90	410	1.11	1.10
C7	17.2	Eudragit/Sugar/Gum	2.12	0.95	400	1.17	1.24
C8	17.6	Eudragit/Sugar/Gum	2.14	0.79	385	1.40	1.70
MEAN	17.9		1.84	0.86	401	0.99	1.15
STD	6.7		0.38	0.11	10	0.35	0.46
SE	0.2		0.13	0.04	4	0.13	0.16

MFK

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To Page No. 56

Witnessed & Understood by me,

*Robert L. King*

Date

Invented by

Date

date redacted

Recorded by Mei-Fong King

date redacted

From Page No. 57

PRM00000000

date redacted

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EFFECT OF TEMPERATURE ON THE RATE OF ACCUMULATION OF SUBSTANCES IN THE HEAD OF THE FISH						
TABLE 1. Multiple Range Test						
Group	A	B	C	D	E	F
1	1.00	0.54	1.11			
2	1.00	0.73	1.00			
3	1.00	1.50	0.74			
4	0.68	0.23	1.14			
5	1.15	0.21	0.74			
6	1.00	1.10	1.00			
7	1.11	0.20	1.00			
8	1.00	1.00	1.00			
Mean	1.00	0.71	1.00			
SD	0.00	0.48	0.48			
SE	0.00	0.17	0.16			
TABLE 2. Single Factor						
Group	A	B	C	D	E	F
1	1.00	0.54	1.11			
2	1.00	0.73	1.00			
3	1.00	1.50	0.74			
4	0.68	0.23	1.14			
5	1.15	0.21	0.74			
6	1.00	1.10	1.00			
7	1.11	0.20	1.00			
8	1.00	1.00	1.00			
Mean	1.00	0.71	1.00			
SD	0.00	0.48	0.48			
SE	0.00	0.17	0.16			
TABLE 3. Multiple Range Test						
Group	A	B	C	D	E	F
1	1.00	0.54	1.11			
2	1.00	0.73	1.00			
3	1.00	1.50	0.74			
4	0.68	0.23	1.14			
5	1.15	0.21	0.74			
6	1.00	1.10	1.00			
7	1.11	0.20	1.00			
8	1.00	1.00	1.00			
Mean	1.00	0.71	1.00			
SD	0.00	0.48	0.48			
SE	0.00	0.17	0.16			
TABLE 4. Single Factor						
Group	A	B	C	D	E	F
1	1.00	0.54	1.11			
2	1.00	0.73	1.00			
3	1.00	1.50	0.74			
4	0.68	0.23	1.14			
5	1.15	0.21	0.74			
6	1.00	1.10	1.00			
7	1.11	0.20	1.00			
8	1.00	1.00	1.00			
Mean	1.00	0.71	1.00			
SD	0.00	0.48	0.48			
SE	0.00	0.17	0.16			

MFK

date redacted

To Page No. 57

Witnessed &amp; Understood by me,

Robert J. Jurek

Date

date redacted

Invented by

Recreated by Mel. Fong King

Date

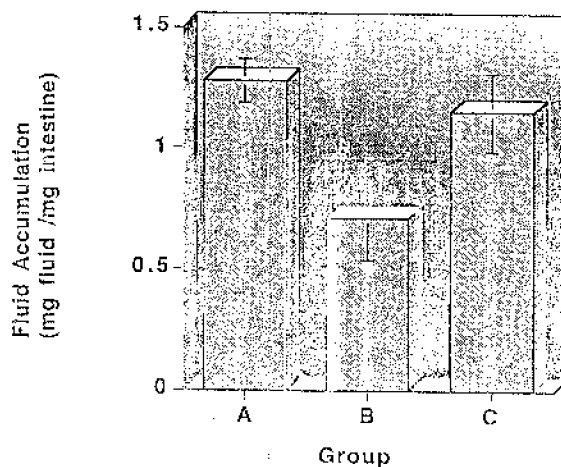
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Front Page No. 57

PK/Metabolism

Mei-Fong King  
date redacted

EXPERIMENT 8.  
EFFECT OF ENTERIC COATED SP-303 ON FLUID  
ACCUMULATION IN CHOLERA TOXIN-TREATED MICE



date redacted

Group	No. of Mice	t <sub>0</sub> hr	t <sub>3</sub> hr	Fluid Accumulation (mg fluid / mg intestine)
A	8	CT/NaHCO <sub>3</sub>	H <sub>2</sub> O	1.28 A*
B	8	CT/NaHCO <sub>3</sub>	131mg/kg SP-303	0.71 B*
C	8	CT/NaHCO <sub>3</sub>	Endragit & Sugar / Gum	1.15 A*

\* Means not sharing letter in common differ significantly by Duncan's Multiple Range Test.

To Page No. X

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